


```

Db 118 VSS 120

RESULT 2
Q9UL73 PRELIMINARY; PRT; 119 AA.
AC Q9UL73;
DT 01-MAY-2000 (Tremblrel. 13, Created)
DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DT 01-JUN-2001 (Tremblrel. 17, Last annotation update)
DE MYOSIN-REACTIVE IMMUNOGLOBULIN HEAVY CHAIN VARIABLE REGION (FRAGMENT).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98277139; PubMed=9614934;
RA Wu X., Liu B., Van der Merwe P.L., Kallis N.N., Berney S.M.,
  Young D.C.;
  "Myosin-reactive autoantibodies in rheumatic carditis and normal
  fetus";
  Clin. Immunol. Immunopathol. 87:184-192(1998).
CC -I- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX
  DOMAIN.
DR EMBL; AF035041; AAD56277.1; -.
DR InterPro; IPR003006; Ig_MHC.
DR InterPro; IPR003596; Ig_v.
DR Pfam; PF00047; Ig; 1.
DR SMART; SM00406; IGv; 1.
DR NON_TER 119
FT NON_TER 119
SQ SEQUENCE 119 AA; 13219 MW; 1BDB86B6420EA0BE CRC64;

Query Match 58.9%; Score 437; DB 4; Length 119;
Best Local Similarity 69.3%; Pred. No. 2.6e-36;
Matches 88; Conservative 11; Mismatches 16; Indels 12; Gaps 2;

QY 20 QVQLQESGFLVKPQTSLTCTVSGFSLTSGYGVVWVQPPGKGLWGLVWAGTNNYN 79
Db 1 QVQLQESGFLVKPQTSLTCTVSGFSLTSGYGVVWVQPPGKGLWGLVWAGTNNYN 79

QY 80 SALMSFLTISKTKNOVSLSSVTAADTAVYYCAR---GPPHAMKRGYAMDYWGQ 135
Db 1 PSLSKRTISVDRSKNQSLKLTSLTAADTAVYYCARLSNNGP-----YYEDYWGQ 112

QY 136 TLTVSS 142
Db 113 TLTVSS 119

RESULT 3
Q95973 PRELIMINARY; PRT; 150 AA.
AC Q95973;
DT 01-MAY-1999 (Tremblrel. 10, Created)
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)
DT 01-JUN-2001 (Tremblrel. 17, Last annotation update)
DE VH4 HEAVY CHAIN VARIABLE REGION PRECURSOR (FRAGMENT).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX Suh C.-H., Song C.-H., Lee C.-H., Lee S.-K.;
  "Clonal proliferation of IgM secreting B cell in the synovium of
  Behcet's patient with arthritis.";
  Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
CC -I- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX
  DOMAIN.

DR EMBL; AF103795; AAC79084.1; -.
DR HSP; P01825; TEAB.
DR InterPro; IPR003006; Ig_MHC.
DR InterPro; IPR003596; Ig_v.
DR Pfam; PF00047; Ig; 1.
DR SMART; SM00406; IGv; 1.
KW Signal.
FT SIGNAL 1 19 POTENTIAL.
FT CHAIN 20 >150 VH4 HEAVY CHAIN VARIABLE REGION.
FT NON_TER 150
SQ SEQUENCE 150 AA; 16315 MW; 85664E04938AA7C9 CRC64;

Query Match 58.7%; Score 435.5; DB 4; Length 150;
Best Local Similarity 64.6%; Pred. No. 4.8e-36;
Matches 93; Conservative 15; Mismatches 27; Indels 9; Gaps 3;

QY 1 MAVLVFLCLVAFPCVLSQVQLQESGFLVKPQTSLTCTVSGFSLTSGYGVV--WVRQ 58
Db 1 MKHLWFFLLVAAPRWLSQVQLQESGFLVKPQTSLTCTVSGFSLTSGYGVVWVRQ 60

QY 59 PPKGLEWGLVWAGTNNYNALMSRLTISKTKNQVSLKSSVTAADTAVYYCAR 118
Db 61 PPKGLEWGLVWAGTNNYNALMSRLTISKTKNQVSLKSSVTAADTAVYYCAR-- 118

QY 119 PHAMKRGYAMDYWGQTLTVSS 142
Db 119 ---LGMF-AEDFWGHGTMVTVSS 137

RESULT 4
Q9BU10 PRELIMINARY; PRT; 597 AA.
AC Q9BU10;
DT 01-JUN-2001 (Tremblrel. 17, Created)
DT 01-JUN-2001 (Tremblrel. 17, Last sequence update)
DT 01-JUN-2001 (Tremblrel. 17, Last annotation update)
DE UNKNOWN (PROTEIN FOR MGC:1652).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX TISSUE=LTPROMA;
RA Strausberg R.;
RL Submitted (FEB-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC002963; AAH02963.1; -.
SQ SEQUENCE 597 AA; 65274 MW; 2DAPAF8FB7E055851 CRC64;

Query Match 57.8%; Score 429; DB 4; Length 597;
Best Local Similarity 62.4%; Pred. No. 1e-34;
Matches 93; Conservative 12; Mismatches 32; Indels 12; Gaps 2;

QY 1 MAVLVFLCLVAFPCVLSQVQLQESGFLVKPQTSLTCTVSGFSLTSGYGVVWVRQ 60
Db 1 MKHLWFFLLVAAPRWLSQVQLQESGFLVKPQTSLTCTVSGFSLTSGYGVVWVRQ 60

QY 61 GKGLEWGLVWAGTNNYNALMSRLTISKTKNQVSLKSSVTAADTAVYYCAR 120
Db 61 GKGLEWGLVWAGTNNYNALMSRLTISKTKNQVSLKSSVTAADTAVYYCAR--- 116

QY 121 AMMKRG-----YAMDYWGQTLTVSS 142
Db 117 -VITRASPTDGRYGMVWGQTLTVSS 144

RESULT 5
Q9BQ8 PRELIMINARY; PRT; 597 AA.
AC Q9BQ8;
DT 01-JUN-2001 (Tremblrel. 17, Created)

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01-JUN-2001 (Tremblrel. 17, Last sequence update)
01-JUN-2001 (Tremblrel. 17, Last annotation update)
UNKNOWN (PROTEIN FOR MGC:1905) (PROTEIN FOR MGC:1228).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=RHABDOMYOSARCOMA;
RA Strausberg R.;
RL Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=LYMPHOMA;
RA Strausberg R.;
RL Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
DR EMBL: BC006180; AAH06180.1; -;
DR EMBL: BC001872; AAH01872.1; -;
DR SEQUENCE 597 AA; 65300 MW; 2DAFAD50A6375851 CRC64;

Query Match 57.5%; Score 427; DB 4; Length 597;
Best Local Similarity 62.4%; Pred. No. 1.6e-34;
Matches 93; Conservative 11; Mismatches 33; Indels 12; Gaps 2;

QY 1 MAVLVFLCLVAFPCSVLSQVQLQESGPGGLVKPSQTLSTCTVSGFSLTSGYGVYVWRQPP 60
Db 1 MKHLWFFLLVLAAPRWLVLSQVQLQESGPGGLVKPSQTLSTCTVSGFSLTSGYGVYVWRQPP 60
QY 61 GKGLWGLVWAGTNNYNALMSRLTISKDTSKNQVSLKSSVTAADTAVYYCARGPPH 120
Db 61 GKGLWGLVWAGTNNYNALMSRLTISKDTSKNQVSLKSSVTAADTAVYYCARGPPH 120
QY 121 AMKRG-----YMDYWGQGLTVTVSS 142
Db 117 -VITRASPGTGRYGMVWGQGLTVTVSS 144

RESULT 6
Q99M22 PRELIMINARY; PRT; 479 AA.
ID Q99M22
AC Q99M22
DT 01-JUN-2001 (Tremblrel. 17, Created)
DT 01-JUN-2001 (Tremblrel. 17, Last sequence update)
DE 01-JUN-2001 (Tremblrel. 17, Last annotation update)
DE UNKNOWN (PROTEIN FOR MGC:6342).
OC Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=MAMMARY TUMOR;
RA Strausberg R.;
RL Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
DR EMBL: BC002091; AAH02091.1; -;
DR SEQUENCE 479 AA; 51992 MW; 768E39A138918892 CRC64;

Query Match 52.9%; Score 392.5; DB 11; Length 479;
Best Local Similarity 58.6%; Pred. No. 3.5e-31;
Matches 85; Conservative 18; Mismatches 29; Indels 13; Gaps 5;

QY 1 MAVLVFLCLVAFPCSVLSQVQLQESGPGGLVKPSQTLSTCTVSGFSLTSGYGVYVWRQ 58
Db 1 MKVLSLLYLLTAIPG-ILSDVQLQESGPGGLVKPSQTLSTCTVSGFSLTSGYGVYVWRQ 58
QY 59 PPGKLEWGLVWAGTNNYNALMSRLTISKDTSKNQVSLKSSVTAADTAVYYCARGP 118
Db 59 PPGKLEWGLVWAGTNNYNALMSRLTISKDTSKNQVSLKSSVTAADTAVYYCARGP 118
QY 119 PHAMKRGYA-MDYWGQGLTVTVSS 142

01-JUN-2001 (Tremblrel. 17, Last sequence update)
01-JUN-2001 (Tremblrel. 17, Last annotation update)
UNKNOWN (PROTEIN FOR MGC:1905) (PROTEIN FOR MGC:1228).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=RHABDOMYOSARCOMA;
RA Strausberg R.;
RL Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RC TISSUE=LYMPHOMA;
RA Strausberg R.;
RL Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
DR EMBL: BC006180; AAH06180.1; -;
DR EMBL: BC001872; AAH01872.1; -;
DR SEQUENCE 597 AA; 65300 MW; 2DAFAD50A6375851 CRC64;

Query Match 50.4%; Score 374; DB 4; Length 121;
Best Local Similarity 60.8%; Pred. No. 5.2e-30;
Matches 76; Conservative 14; Mismatches 29; Indels 6; Gaps 2;

QY 20 QVOLQESGPGGLVKPSQTLSTCTVSGFSLTSGYGVYVWRQPPGKLEWGLVWAGGTTN 77
Db 1 QITLKESGPTLVKPTQTTLTCTFSGFSLTSGMDVGIWIRPPGKALEWLLIYWDGDKR 60
QY 78 YNSALMSRLTISKDTSKNQVSLKSSVTAADTAVYYCARGPPHAMKRGYAMDYWGQGLT 137
Db 61 YPSLSKRLTITKDTSKNQVSLKSSVTAADTAVYYCARGPPHAMKRGYAMDYWGQGLT 116
QY 138 VTVSS 142
Db 117 VTVSS 121

RESULT 8
Q9UL75 PRELIMINARY; PRT; 122 AA.
ID Q9UL75
AC Q9UL75
DT 01-MAY-2000 (Tremblrel. 13, Created)
DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DE 01-JUN-2001 (Tremblrel. 17, Last annotation update)
DE MYOSIN-REACTIVE IMMUNOGLOBULIN HEAVY CHAIN VARIABLE REGION (FRAGMENT).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=98277139; PubMed=9614934;
RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,
RA Young D.C.;
RL "Myosin-reactive autoantibodies in rheumatic carditis and normal fetus."
RT Clin. Immunol. Immunopathol. 87:184-192(1998).


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CC      DOMAIN.  
DR    EMBL; AF035024; AAD56260.1; -.  
DR   InterPro; IPR003006; Ig_MHC.  
DR   InterPro; IPR003596; IG_V.  
DR   Pfam; PF00047; ig_1.  
DR   SMART; SM00406; .IGv; 1.  
FT     NON_TER  
ET     NON_TER  
SQ     SEQUENCE 113 AA; 12437 MW; ED57FDDI9086D07F CRC64;  
  
Query Match          43.5%; Score 323; DB 4; Length 113;  
Best Local Similarity 50.8%; Pred. No. 6.le-25;  
Matches 63; Conservative 22; Mismatches 27; Indels 12; Gaps 2;  
  
QY 20 OYOLESGLVKPQSQTSLTCTVSGFSLTISGYVWVRQPCKGLEWLGI-VAGGTTNY 78  
Db : ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
1 EVQLVESGGGVWGPGSRLRSCAASGFSSYGMMHWKAPKGLEWVAIRIDGSNKYY 60  
:: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
79 NSALMSRLATISKDTSKNOYSKLSSVTADTAIVYCARGPPHAMMKRGAYMDYWQGTLV 138  
61 ADSVKGRFITSRNSKNITLYLOMNLRAEDTAIVCYCAKD-----LNWVGQGTLV 109  
:  
QY 139 TVSS 142  
Db 110 TVSS 113  
  
RESULT 12  
Q9UL88 PRELIMINARY; PRT; 131 AA.  
AC Q9UL88;  
DT 01-MAY-2000 (TREMBLrel. 13; Created)  
DT 01-MAY-2000 (TREMBLrel. 13; Last sequence update)  
DE MYOSIN-REACTIVE IMMUNOGLOBULIN HEAVY CHAIN VARIABLE REGION (FRAGMENT).  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mamalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
OX NCBI_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=98277139; PubMed=9614934;  
RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
Young D.C.;  
RT "Myosin-reactive autoantibodies in rheumatic carditis and normal fetus."  
RT Clin. Immunol. Immunopathol. 87:184-192(1998).  
FT -! SIMILARITY: TO IMMUGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX  
DOMAIN.  
DR    EMBL; AF035026; AAD56262.1; -.  
DR   InterPro; IPR003006; Ig_MHC.  
DR   InterPro; IPR003596; IG_V.  
DR   Pfam; PF00047; ig_1.  
DR   SMART; SM00406; .IGv; 1.  
FT     NON_TER  
ET     NON_TER  
SQ     SEQUENCE 131 AA; 14142 MW; 96E7D668E375DEA0 CRC64;  
  
Query Match          43.5%; Score 323; DB 4; Length 131;  
Best Local Similarity 50.4%; Pred. No. 7.2e-25;  
Matches 66; Conservative 23; Mismatches 34; Indels 8; Gaps 2;  
  
QY 20 OYOLESGLVKPQSQTSLTCTVSGFSLTISGYVWVRQPCKGLEWLGIWA---CGTT 76  
Db : ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
1 EVQLVESGGGVWKPGSRLRSCAASGFSSYKAWSWRQAPKGLEWHVIKSKTGGTT 60  
:  
QY 77 NYNALSMLRSATISKDTSKNOYSKLSSVTADTAIVYCARGPPHAM----KRYAMDY 131  
Db : : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
61 DYAAVPKGRLLISRDKSNKITLYLRNLSLKTEDTAIVYTGTGITMIIVITTSKRSTFEY 120  
:  
QY 132 WQQGTFLTVSS 142
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Mon Jul 1 16:28:05 2002

61 AGSVKGRFTISRDNSKNTLYLQMTSLRVEDTAVVYCAKDGNV-FDSVGYVYAGIDYWGQG 119

Db 136 TLVTYSS 142
Qy 120 TLVTYSS 126

Search completed: May 7, 2002, 12:08:26
Job time: 454 sec

RL Clin. Immunol. Immunopathol. 87:184-192(1998).

CC -1- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX

CC DOMAIN

DR EMBL; AF035022; AAD56258.1; -

DR InterPro; IPR003006; Ig_MHC.

DR InterPro; IPR003596; Ig_v.

DR Pfam; PF00047; Ig; 1.

DR SMART; SM00406; IGV; 1.

FT NON_TER 124 124

FT NON_TER 124 124

SQ SEQUENCE 124 AA; 13580 MW; 1BAAACBD96ACD2A2 CRC64;

Query Match 43.18; Score 319.5; DB 4; Length 124;

Best Local Similarity 49.28; Pred. No. 1.5e-24;

Matches 63; Conservative 27; Mismatches 29; Indels 9; Gaps 3;

Qy 20 QVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGYVYVVRQPPGKGLWLGVI-WAGGTTNY 78

1 EVLVESGAEVKKPGASVKASKGYTFSSYMHVVRQAPGQGLWNGIINPSSGTSY 60

79 NSALMSRLTISKDTSKNOVSLKSLSSVTAADTAVVYCAARG-PPHAMMKRGYAMDYWGQ 134

61 AORFQGRVTMTRTDTSTSTVYMEISSLRSRSDTAVVYCAARGLYVVVPAAPSR---FDYWGQ 116

Qy 135 GTLVTVSS 142

Db 117 GTLVTVSS 124

RESULT 15

Q9Y509

ID Q9Y509

AC Q9Y509

DT 01-NOV-1999 (TREMELrel. 12, Created)

DT 01-NOV-1999 (TREMELrel. 12, Last sequence update)

DT 01-JUN-2001 (TREMELrel. 17, Last annotation update)

DE VH3 PROTEIN (FRAGMENT).

GN VH3.

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

OX NCBI_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RX MEDLINE=96071149; PubMed=7475288;

RA Cao J., Vescio R.A., Rettig M.B., Hong C.H., Kim A., Lee J.C.,

RA Lichtenstein A.K., Berenson J.R.;

RA "A CD10-positive subset of malignant cells is identified in multiple

RA myeloma using PCR with patient-specific immunoglobulin gene primers.",

RL Leukemia 9:1948-1953(1995).

CC -1- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX

CC DOMAIN.

CC EMBL; S80860; AAD14339.1; -

DR HSP; P01772; 2FB4.

DR InterPro; IPR003006; Ig_MHC.

DR InterPro; IPR003596; Ig_v.

DR Pfam; PF00047; Ig; 1.

DR SMART; SM00406; IGV; 1.

FT NON_TER 1

SQ SEQUENCE 147 AA; 15768 MW; 8489FCAAA7BC925C CRC64;

Query Match 42.98; Score 318.5; DB 4; Length 147;

Best Local Similarity 50.48; Pred. No. 2.3e-24;

Matches 64; Conservative 24; Mismatches 34; Indels 5; Gaps 3;

Qy 20 QVQLQESGPGLVKPSQTLSTCTVSGFSLTSYGYVYVVRQPPGKGLWLGVI-WAGGTTNY 78

1 EVLVESGAEVKKPGASVKASKGYTFSSYMHVVRQAPGQGLWNGIINPSSGTSY 60

79 NSALMSRLTISKDTSKNOVSLKSLSSVTAADTAVVYCAARGPPHAMMKRGY---AMDYWGQ 135

Qy 135 GTLVTVSS 142

Db 117 GTLVTVSS 124